



G. Narayanamma Institute of Technology & Science (For Women) (Autonomous)

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Shaikpet, Hyderabad-500104

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING <GN-R-18> (2022 - 2023) II B.Tech II Sem Hobby Project on "Scan For Spam"

ABSTRACT

With the increment in the usage of mobile phones, the process of phone number linkage and authentication is being preferred by many applications, websites and such. Due to this, the amount of text messages we receive on our mobiles everyday has escalated in the recent years. Among these text messages, many often turn out to be spam messages i.e., unsolicited messages sent by a sender without prior relationship to the user, mostly for commercial or financial purposes. Such spam on Instant Messaging Services (SPIM), Short Message Services (SMS) has become a problem of importance, as the security of mobiles can potentially be compromised, if we do not have the relevant knowledge.

Our "Scan for Spam" project aims to develop an effective and efficient website to distinguish and filter out spam messages from the legitimate ones, in SMS communication. In the project, we employ an approach with legal, economic or technical measures, to classify the messages as either spam or ham, based on the contents of the message. We refer to SMS data-sets containing the examples of spam messages and use it to determine whether the message is a spam or not.

The System is designed to continuously learn and adapt to new spam patterns, to ensure that it stays relevant and efficacious over time. The primary goal of the project is to provide users with a dependable and user-friendly solution for filtering out the unwanted and hazardous messages to ensure security for the mobiles of the users, while also minimizing the risk of missing important messages. The project finally aims to conclude that building a website for filtering out the spam SMS can be a coherent way to ensure the safety of mobile phone users.

S/W Requirements:

Programming Language: Python, Java, HTML
Machine Learning Library: Scikit-Learn
Library
Database Management System: MySQL

H/W Requirements:

System: i5 processor
Hard Disk: 500 GB
Input Devices: Keyboard, Mouse
RAM: 8 GB

*Dept R&D: No

*IfNo: GNITS




<21251A05H7>
<Kankanala Shivani>
<shivani.kankanala04@gmail.com>
<7569598310>


Project Coordinator



<21251A05G6>
<J.G.R Vijetha>
<jrenukavijetha@gmail.com>
<8500000990>


PRINCIPAL
G. Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104.


Head of Department